

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re Patent Application of:
Masataka NAKAMURA et al.

Serial No.: 10/562,110

Filing Date: Not Yet Assigned

International Application No.: PCT/JP2003/008032

International Filing Date: June 23, 2003

For: POLYMER ELECTROLYTE AS WELL AS
POLYMER ELECTROLYTE MEMBRANE,
MEMBRANE ELECTRODE ASSEMBLY
AND POLYMER ELECTROLYTE FUEL
CELL USING THE SAME

Examiner: Not Yet Assigned

Group Art Unit: Not Yet Assigned

**INFORMATION DISCLOSURE
STATEMENT UNDER 37 C.F.R. § 1.97 & 1.98**

MS PCT
Commissioner for Patents
P.O. Box 1450
Alexandria, Virginia 22313-1450

Dear Sir:

Pursuant to 37 C.F.R. § 1.97 and § 1.98, Applicants submit for consideration in the above-identified application the documents listed on the attached Form PTO/SB/08a/b. Copies of the foreign documents and non-patent literature are also submitted herewith. The Examiner is requested to make these documents of record.

This Information Disclosure Statement is submitted within three months of the application filing date or before mailing of a first Office Action on the merits; accordingly, no fee or separate requirements are required.

Applicants would appreciate the Examiner initialing and returning the Form PTO/SB/08a/b, indicating that the information has been considered and made of record herein.

The information contained in this Information Disclosure Statement under 37 C.F.R. § 1.97 and § 1.98 is not to be construed as a representation that: (i) a complete search has been made; (ii) additional information material to the examination of this application does not exist; (iii) the information, protocols, results and the like reported by third parties are accurate or enabling; or (iv) the above information constitutes prior art to the subject invention.

In the unlikely event that the transmittal form is separated from this document and the Patent and Trademark Office determines that an extension and/or other relief (such as payment of a fee under 37 C.F.R. § 1.17 (p)) is required, Applicants petition for any required relief including extensions of time and authorize the Commissioner to charge the cost of such petition and/or other fees due in connection with the filing of this document to **Deposit Account No. 03-1952** referencing 360842012600.

Dated: July 13, 2006

Respectfully submitted,

By 

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Substitute for form 1449/PTO INFORMATION DISCLOSURE STATEMENT BY APPLICANT (Use as many sheets as necessary)				Complete if Known	
				Application Number	10/562,110
				Filing Date	Not Yet Assigned
				First Named Inventor	Masataka NAKAMURA et al.
				Art Unit	Not Yet Assigned
				Examiner Name	Not Yet Assigned
Sheet	1	of	1	Attorney Docket Number	360842012600

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	Document Number	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
		Number-Kind Code ² (if known)			
	1.	5,013,765	05-07-1991	Heinz Dieter SLUMA et al.	
	2.	5,403,675	04-04-1995	Naoya OGATA et al.	
	3.	6,103,414	08-15-2000	Israel CABASSO et al.	
	4.	6,444,343-B1	09-03-2002	G.K. Surya PRAKASH et al.	
	5.	2002/0191225-A1	12-19-2002	Gary G. STRINGHAM	
	6.	6,773,844-B2	08-10-2004	Yoshihiko NAKANO et al.	
	7.	6,794,480-B2	09-21-2004	Kohei GOTO et al.	

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. ¹	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T ⁶
		Country Code ³ -Number ⁴ -Kind Code ⁵ (if known)				
	8.	JP-2-208322-A	08-17-1990	KURITA WATER IND. LTD.	Translation of Abstract	
	9.	JP-2001-192531-A	07-17-2001	JSR CORP.	Translation of Abstract	

*EXAMINER: Initial if information considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. ¹ Applicant's unique citation designation number (optional). ² See Kinds Codes of USPTO Patent Documents at www.uspto.gov or MPEP 901.04. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

NON PATENT LITERATURE DOCUMENTS			
Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
	10.	Lee, William et al. (1996). "Proton Transport Through Polyethylene-Tetrafluoroethylene-Copolymer-Based Membrane Containing Sulfonic Acid Group Prepared by RIGP," <i>J Electrochem. Soc.</i> 143(9):2795-2799	
	11.	Depre, Laurent et al. (2000). "Proton Conducting Sulfon/Sulfonamide Functionalized Materials Based on Inorganic-Organic Matrices," <i>Electrochemical Acta</i> 45:1377-1383	
	12.	Wang, Feng et al. (2002). "Direct Polymerization of Sulfonated Poly(arylene ether sulfone) Random (Statistical) Copolymers: Candidates for New Proton Exchange Membranes," <i>Journal of Membrane Science</i> 197:231-242	
	13.	Wang, Huanting et al. (2002) "Nafion-Bifunctional Silica Composite Proton Conductive Membranes," <i>Journal of Materials Chemistry</i> 12:834-837	
	14.	Yanagimachi, Satomi et al. (2002) "Synthesis of Phosphonated Poly (4-phenoxybenzoyl-1, 4-phenylene (1))," <i>Polymer Preprints, Japan</i> 51(4):750 (with English translation attached)	
	15.	Young, S.K. et al. "Nafion®/ORMOSIL Nanocomposites via Polymer-in Situ Sol-Gel Reactions. 1. Probe of ORMOSIL Phase Nanostructures by ²⁹ Si Solid-State NMR Spectroscopy," <i>Polymer</i> 43: 2311-2320	
Examiner Signature			Date Considered